

MUSCLE TISSUE MICROSCOPE LAB

For each of the following slides:

1. Draw the image under the slide.
2. Label the appropriate structures.
3. Answer the questions that follow.

Image 1: SKELETAL MUSCLE

Label: Fiber, Striations, Nucleus

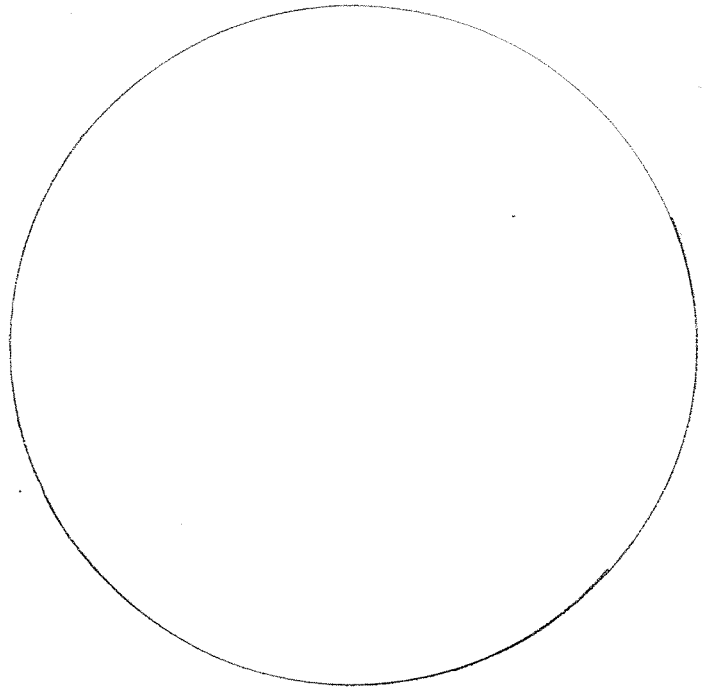


Image 2: CARDIAC MUSCLE:

Label: Nucleus, Intercalated Disc, Striations

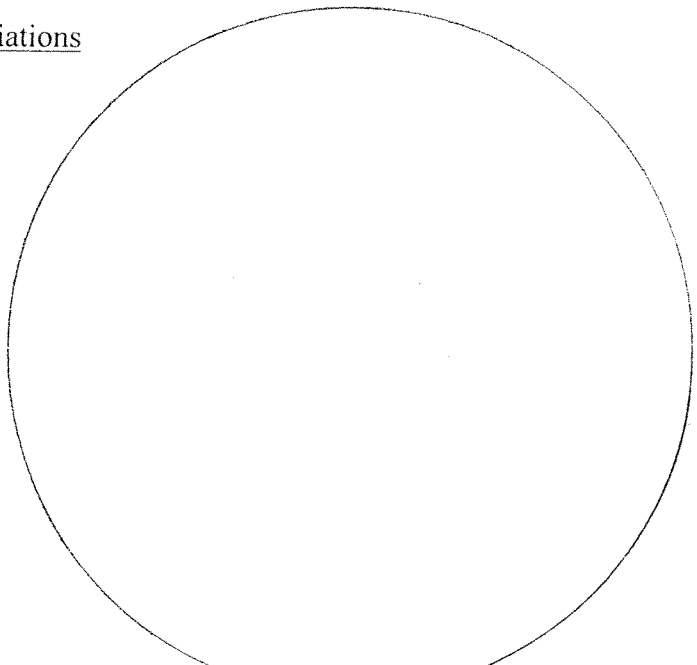
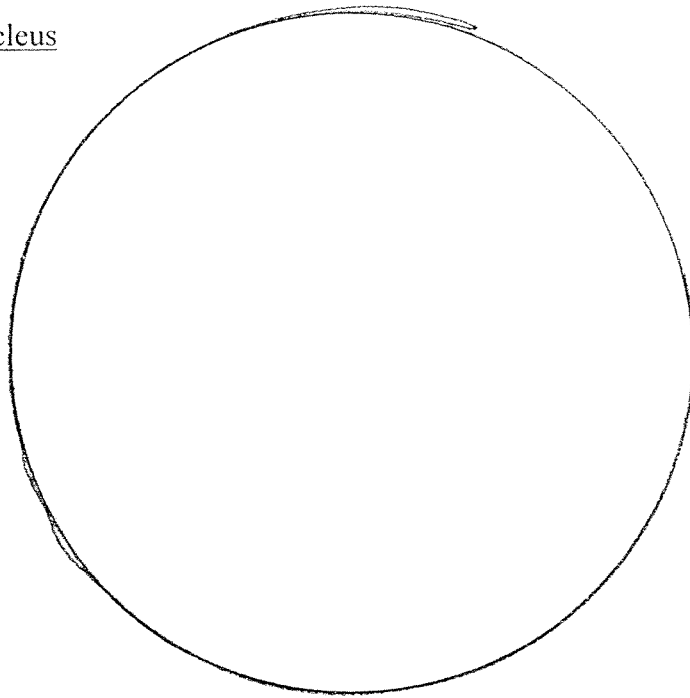


Image 3: SMOOTH MUSCLE

Label: Nucleus



Questions:

1. Which muscle cells are voluntary?
2. Which muscle cells are involuntary?
3. What are the special characteristics of cardiac muscle cells which separates them from the other muscle cells?
4. What is the function of the special characteristics of the cardiac cells?